

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	source same receiver same bha and signal and comput\$3 same character\$5 and estimate\$3 same formation same propert\$3 and formation\$3 same velocit\$3 and (tool or (bottom same assembly or bha)) and ((c adj wave) or (compress\$5 same wave ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 18:39
L2	0	(source same receiver same bha and signal and comput\$3 same character\$5 and estimate\$3 same formation same propert\$3 and formation\$3 same velocit\$3 and (tool or (bottom same assembly or bha)) and ((c adj wave) or (compress\$5 same wave ))) .clm.	US-PGPUB	OR	ON	2007/07/16 18:40
L3	0	(source same receiver same bha and signal and comput\$3 same character\$5 and estimate\$3 same formation same propert\$3 and formation\$3 same velocit\$3 and (tool or (bottom same assembly or bha)) and ((c adj wave) or (compress\$5 same wave ))) .clm.	USPAT	OR	ON	2007/07/16 18:40
L4	528	702/6.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 18:40
L5	328	703/10.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 18:40

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	48	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave ))	US-PGPUB; USPAT	OR	ON	2004/06/26 14:09
S3	48	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt)	US-PGPUB; USPAT	OR	ON	2004/06/26 14:09
S4	48	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3)	US-PGPUB; USPAT	OR	ON	2004/06/26 14:32
S5	43	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and (detect\$3 or receiv\$4)	US-PGPUB; USPAT	OR	ON	2004/06/26 14:11
S6	39	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and (detect\$3 or receiv\$4) and shear same wave	US-PGPUB; USPAT	OR	ON	2004/06/26 14:11
S7	6	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and (detect\$3 or receiv\$4) and shear same wave and phase same match\$3	US-PGPUB; USPAT	OR	ON	2006/03/05 13:04
S8	0	("5678643" "6021377") and formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and (detect\$3 or receiv\$4) and shear same wave and phase same match\$3	US-PGPUB; USPAT	OR	ON	2004/06/26 14:17

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S9	0	("5678643" "6021377") and formation\$3 and shear same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and (detect\$3 or receiv\$4) and shear same wave and phase same match\$3	US-PGPUB; USPAT	OR	ON	2004/06/26 14:17
S10	58	("5678643" "6021377")	US-PGPUB; USPAT	OR	ON	2004/06/26 14:17
S11	1	("5678643" "6021377") and tool and borehole and shear and phase same (velocit\$4 or match\$3)	US-PGPUB; USPAT	OR	ON	2004/09/14 18:34
S12	23	("3593255"   "4207961"   "4369506"   "4383591"   "4446544"   "4516228"   "4542487"   "4606014"   "4649525"   "4774693"   "4782910"   "4832148"   "4855963"   "4932003"   "4951267"   "5343001"   "5357481"   "5640371"   "5678643"   "5808963"   "5831934"   "6208189"   "6312384").PN.	USPAT	OR	ON	2004/06/26 14:31
S13	6	("4648039"   "4809239"   "5077697"   "5214613"   "5278805"   "5610875").PN.	USPAT	OR	ON	2004/06/26 16:45
S14	4	("Re33751"   "3823787"   "4786874"   "5230386").PN.	USPAT	OR	ON	2004/06/26 14:31
S15	0	("Re33751"   "3823787"   "4786874"   "5230386").PN. and shear	USPAT	OR	ON	2004/06/26 14:30
S16	1	("Re33751"   "3823787"   "4786874"   "5230386").PN. and phase	USPAT	OR	ON	2004/06/26 14:31
S17	20	("3593255"   "4207961"   "4369506"   "4383591"   "4446544"   "4516228"   "4542487"   "4606014"   "4649525"   "4774693"   "4782910"   "4832148"   "4855963"   "4932003"   "4951267"   "5343001"   "5357481"   "5640371"   "5678643"   "5808963"   "5831934"   "6208189"   "6312384").PN. and phase	USPAT	OR	ON	2007/07/16 12:51

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S18	1	("3593255"   "4207961"   "4369506"   "4383591"   "4446544"   "4516228"   "4542487"   "4606014"   "4649525"   "4774693"   "4782910"   "4832148"   "4855963"   "4932003"   "4951267"   "5343001"   "5357481"   "5640371"   "5678643"   "5808963"   "5831934"   "6208189"   "6312384").PN. and phase and mwd	USPAT	OR	ON	2004/06/26 14:32
S19	0	("4648039"   "4809239"   "5077697"   "5214613"   "5278805"   "5610875").PN. and mwd	USPAT	OR	ON	2004/06/26 14:32
S20	6	formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and mwd	US-PGPUB; USPAT	OR	ON	2007/07/16 13:10
S21	37	((zhou same minyao) or (thomann same hans) or (keller same (stuart or ronald))).in.	US-PGPUB; USPAT	OR	ON	2004/06/26 14:41
S22	17	formation\$3 same phase same borehole same (tool or (bottom same assembly)) same mwd	US-PGPUB; USPAT	OR	ON	2004/06/26 14:52
S23	8	("4209747"   "4360777"   "4897605"   "5389881"   "5469062"   "5581024"   "5841241"   "5870690").PN.	USPAT	OR	ON	2004/06/26 14:49
S24	21	source same receiver same borehole same phase and formation\$3 same mwd	US-PGPUB; USPAT	OR	ON	2004/06/26 14:53
S25	1	( "3812457" "4003017" "4144949" "4207619" "4460059" "4718048" "4829489" "4849945" "4862423" "4873675" "4954998" "4965774" "5012453" "5109946" "5109947" "5144589" "5144591" "5191557" "5233567" "5305285" "5372207" "5438170" "5511038" "5585556" "5758539" "5798488" "5844132") and formation\$3 same velocit\$3 same phase and borehole and (tool or (bottom same assembly)) and ((c adj wave) or (compress\$5 same wave )) and (generat\$3 or transmitt\$3) and mwd	US-PGPUB; USPAT	OR	ON	2004/06/26 15:04